

# Search Strategy

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	4	((("4151832") or ("4761381") or ("6099484") or ("6153439"))).PN.	USP AT	2004/06/1 4 14:31	
2	IS&R	L2	9	((("4992385") or ("5196350") or ("5922550") or ("6020047") or ("6048623") or ("6060256") or ("6180288") or ("5221579") or ("6261519"))).PN.	USP AT	2004/06/1 4 14:34	
3	IS&R	L3	8	("9703347").PN.	DER WEN T	2004/06/1 4 14:40	
4	BRS	L4	79	diffraction and analyte and pattern near5 print\$	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 17:04	

	<b>Error Definition</b>	<b>Er ro rs</b>
<b>1</b>		<b>0</b>
<b>2</b>		<b>0</b>
<b>3</b>		<b>0</b>
<b>4</b>		<b>0</b>

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
5	BRS	L5	1285	diffraction and analyte	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 14:43	
6	BRS	L6	521	5 and (syringe or plunger or piston or pump)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 14:43	
7	BRS	L7	42	6 and test adj1 strip	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 15:35	
8	IS&R	L8	2	(("5922550") or ("6221579")).PN.	USP AT	2004/06/1 4 15:12	

	<b>Error Definition</b>	<b>Er ro rs</b>
<b>5</b>		<b>0</b>
<b>6</b>		<b>0</b>
<b>7</b>		<b>0</b>
<b>8</b>		<b>0</b>

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
9	BRS	L9	18	"0144813"	DER WEN T	2004/06/1 4 15:12	
10	BRS	L10	1732	422/82.05-82.09.ccls.	USP AT	2004/06/1 4 15:36	
11	BRS	L11	344	10 and (piston or syringe)	USP AT	2004/06/1 4 15:36	
12	BRS	L12	71	11 and specific adj1 binding	USP AT	2004/06/1 4 15:37	
13	BRS	L13	35	11 and diffraction	USP AT	2004/06/1 4 15:37	
14	BRS	L14	14	12 and 13	USP AT	2004/06/1 4 15:41	
15	IS&R	L15	1	("6261519").PN.	USP AT	2004/06/1 4 15:42	
16	IS&R	L16	1	("5922550").PN.	USP AT	2004/06/1 4 15:59	
17	IS&R	L17	1370	(356/246).CCLS.	USP AT	2004/06/1 4 16:07	
18	BRS	L18	490	test adj1 (strip or element or surface) and sample same (flush or wash) and (syringe or piston or pump)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:08	

	<b>Error Definition</b>	<b>Er ro rs</b>
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<b>10</b>		<b>0</b>
<b>11</b>		<b>0</b>
<b>12</b>		<b>0</b>
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<b>16</b>		<b>0</b>
<b>17</b>		<b>0</b>
<b>18</b>		<b>0</b>

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
19	BRS	L19	388	18 and (syringe or piston)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:09	
20	BRS	L20	317	19 and optical	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:13	
21	BRS	L21	191	422/100.ccls. and 422/56-58.ccls.	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:30	

	<b>Error Definition</b>	<b>Er ro rs</b>
<b>19</b>		<b>0</b>
<b>20</b>		<b>0</b>
<b>21</b>		<b>0</b>



	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22	BRS	L22	541	422/82.07	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:35	
23	BRS	L23	2233	422/58.ccls.	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:35	
24	BRS	L24	633	23 and (pipette or syringe or plunger or piston)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:36	

	<b>Error Definition</b>	<b>Er ro rs</b>
<b>22</b>		<b>0</b>
<b>23</b>		<b>0</b>
<b>24</b>		<b>0</b>

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
25	BRS	L25	320	24 and (optic\$2)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/06/1 4 16:36	

	<b>Error Definition</b>	<b>Er ro rs</b>
<b>25</b>		<b>0</b>

# INTERNATIONAL SEARCH REPORT

Internati Application No  
PCT/ 02/18597

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N21/47 B01L3/00 G01N33/543

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N B01L A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 03347 A (KRAMER DONALD L) 30 January 1997 (1997-01-30) the whole document	1-34
X	US 6 153 439 A (JOHNSON THEODORE D) 28 November 2000 (2000-11-28)	1,2, 5-11, 13-20, 22-34
Y	the whole document	3,4,12, 21
X	WO 00 50891 A (FERTILITY ACOUSTICS INC) 31 August 2000 (2000-08-31)	1-4,8, 10-15, 18-21
A	abstract; figures 1A,4A,4B page 8, line 24 -page 15, line 15 --- -/--	22-34

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

9 December 2003

Date of mailing of the international search report

22/12/2003

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# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/ 02/18597

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 261 519 B1 (HARDING IAN A ET AL) 17 July 2001 (2001-07-17)  abstract; figures 1-4 column 4, line 53 -column 7, line 44 ----	1-5, 13-16, 22,28, 29,31-33
X A	US 6 099 484 A (RADWANSKI RYSZARD ET AL) 8 August 2000 (2000-08-08) abstract column 5, line 25 -column 8, line 19 ----	1,2,5-7, 9,10 13-34
X	US 4 151 832 A (HAMER GEERD) 1 May 1979 (1979-05-01) abstract; figure 1 column 1, line 60 -column 2, line 63 ----	1,2,5, 13-16
Y	WO 00 36416 A (KIMBERLY CLARK CO) 22 June 2000 (2000-06-22) abstract page 6, line 24 -page 7, line 28 ----	3,4,12, 21
X A	EP 0 312 394 A (QUADRA LOGIC TECH INC) 19 April 1989 (1989-04-19) abstract; figure 1 column 1, line 55 -column 2, line 46 column 3, line 24 -column 4, line 36 column 7, line 43 -column 8, line 17 ----	1,2,5-9  3,4,12
A	GB 2 332 943 A (MERCURY DIAGNOSTICS INC) 7 July 1999 (1999-07-07) abstract; figures 1A,1B,8 ----	1-34
A	US 4 761 381 A (BLATT JOEL M ET AL) 2 August 1988 (1988-08-02) abstract; figures 1-16 column 2, line 50 -column 3, line 15 -----	1-34